



DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY  
AFFAIRS (PERA)  
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208

Miami, Florida 33175-2474  
T (786) 315-2590 F (786) 315-2599

[www.miamidade.gov/building](http://www.miamidade.gov/building)

## NOTICE OF ACCEPTANCE (NOA)

NCI Group, Inc.  
14031 West Hardy  
Houston, TX 77060

### SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

**DESCRIPTION:** "DoubleLok" 0.024" (min.) Structural Standing Seam Steel Roof Panel

**APPROVAL DOCUMENT:** Drawing No. Dade County, titled "DoubleLok Panel", sheets 1 through 10 of 10, dated July 27, 2011, prepared by NCI Group, Inc., signed and sealed by Mark Detwiler, P.E. on July 27, 2011, bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and the expiration date by the Miami-Dade County Product Control Section.

**MISSILE IMPACT RATING:** Large and Small Missile Impact Resistant

**LABELING:** Each panel shall bear a permanent label with the manufacturer's name or logo, city, state and the following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA # 06-0920.02 and consists of this page 1, evidence submitted pages E-1 & E-2 as well as approval document mentioned above.

The submitted documentation was reviewed by Helmy A. Makar, P.E., M.S.

MIAMI-DADE COUNTY  
APPROVED

*Helmy A. Makar*  
10/20/2011

NOA No. 11-0810.04  
Expiration Date: 02/25/2014  
Approval Date: 10/20/2011  
Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #06-0920.02**

**A. DRAWINGS**

1. *Drawing No. DL-001, titled " DoubleLok Panel ", sheets 1 through 10 of 10, dated July 25, 2006, prepared by Metal Building Components, Inc. LP, signed and sealed by Mark Detwiler, P.E. on January 05, 2009.*

**B. TESTS**

1. *Test report on Uplift Resistance per ASTM E 1592-01 on DoubleLok 12" wide 24 ga. Roof Panel, prepared by Force Engineering & Testing, Inc., Report No. 07-0129T-06L, dated July 12, 2006, signed and sealed by Terrence E. Wolfe, P.E.*
2. *Test report on Uplift Resistance per ASTM E 1592-01 on DoubleLok 12" wide 24 ga. Roof Panel, prepared by Force Engineering & Testing, Inc., Report No. 07-0129T-06I-K, dated July 12, 2006, signed and sealed by Terrence E. Wolfe, P.E.*
3. *Test report on Uplift Resistance per ASTM E 1592-01 on DoubleLok 18" wide 24 ga. Roof Panel, prepared by Force Engineering & Testing, Inc., Report No. 07-0129T-06E-G, dated July 12, 2006, signed and sealed by Terrence E. Wolfe, P.E.*
4. *Test report on Uplift Resistance per ASTM E 1592-01 on DoubleLok 24" wide 24 ga. Roof Panel, prepared by Force Engineering & Testing, Inc., Report No. 07-0129T-06A-C, dated July 12, 2006, signed and sealed by Terrence E. Wolfe, P.E.*
5. *Test report on Uplift Resistance per ASTM E 1592-01 on DoubleLok 24" wide 24 ga. Roof Panel, prepared by Force Engineering & Testing, Inc., Report No. 07-0129T-06D, dated July 12, 2006, signed and sealed by Terrence E. Wolfe, P.E.*
6. *Test report on: 2000 hours Accelerated Weathering per ASTM G23, prepared by The Valspar Corporation, dated 08/12/98, signed by Clark Higginbotham.*
7. *Susceptibility to leakage test in accordance with Miami-Dade County Protocol PA 114 Appendix G, prepared by Farabaugh Engineering and Testing, Inc., Report No. T170-06, dated 06/07/2006, signed and sealed by Daniel G. Farabaugh, P.E.*
8. *Test report on Large Missile Impact Test, prepared by Farabaugh Engineering and Testing, Inc., Test Report No. T169-06, dated 06/07/2006, signed and sealed by Daniel G. Farabaugh, P.E.*

**C. CALCULATIONS**

1. *Calculations titled "DoubleLok 12", 18", 24" 24 ga., 6 pages, prepared by Mark Detwiler, P.E. on 01/05/09, signed and sealed by Mark Detwiler, P.E. on 01/05/09.*

**D. QUALITY ASSURANCE**

1. *By Miami-Dade County Building Code Compliance Office.*

**E. MATERIAL CERTIFICATIONS**

1. *Tensile Test on each specimen tested, prepared by Bodycote Materials Testing, Inc.*



Helmy A. Makar, P.E., M.S.  
PERA, Product Control Unit Supervisor

NOA No. 11-0810.04

Expiration Date: 02/25/2014

Approval Date: 10/20/2011

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**2. NEW EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. *Drawing No. Dade County, titled " DoubleLok Panel ", sheets 1 through 10 of 10, dated July 27, 2011, prepared by NCI Group, Inc., signed and sealed by Mark Detwiler, P.E. on July 27, 2011.*

**B. TESTS**

1. *None.*

**C. CALCULATIONS**

1. *None.*

**D. QUALITY ASSURANCE**

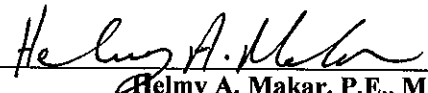
1. *By Miami-Dade County Department of Permitting, Environment, and Regulatory Affairs (PERA).*

**E. MATERIAL CERTIFICATIONS**

1. *None.*

**F. OTHERS**

1. *Bill of Sale, Assignment and Assumption Agreement.*



**Helmy A. Makar, P.E., M.S.**  
**PERA, Product Control Unit Supervisor**


**NOA No. 11-0810.04**

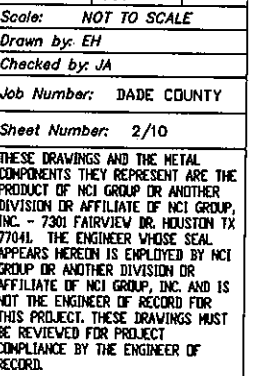
**Expiration Date: 02/25/2014**

**Approval Date: 10/20/2011**

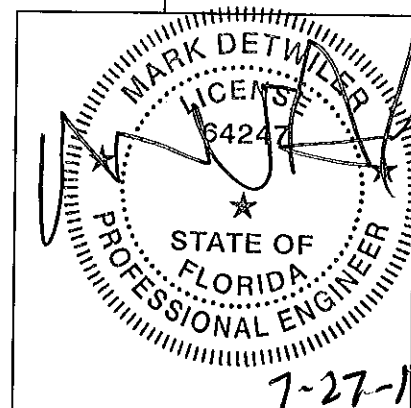
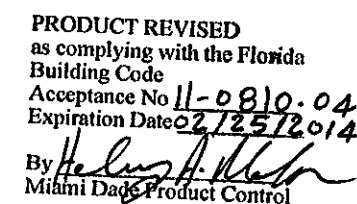


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|--|--|
| <br>CORPORATE OFFICES: 1728 FAIRVIEW DR. HOUSTON TX 77041 (504) 777-9378<br>MAILING: P.O. BOX 46220 HOUSTON TX 77246-0220 | <p><i>Project Name and Location:</i><br/>DADE COUNTY PRODUCT APPROVAL<br/>DADE COUNTY, FLORIDA</p> |
|  | <p><i>SHEET TITLE:</i><br/>DOUBLELOK ROOF PANEL</p>  |



7-27-11



7-27-11

[illegible]

1'-5<sup>3</sup>/<sub>16</sub>"

8<sup>3</sup>/<sub>16</sub>" 9"

1/4-14 x 1 1/4 LONG-LIFE  
SELF-DRILLER W/WASHER  
[FASTENER #1E] (8 PER ENDLAP)

DOUBLE-LOK PANEL  
(PREPUNCHED)  
24", 18" OR 12" WIDTH

CONT.

DOUBLE-LOK PANEL  
(PREPUNCHED)


— MID-SLOPE FIXED PLATE

—1/4-14 x 1 SELF-DRILLER  
W/WASHER [FASTENER #1]  
@ 6" O.C.

PURLIN —  
MIN. 16 GA. METAL  
AT 5'-0" O.C. MAX.

## Fixed Endlap Detail

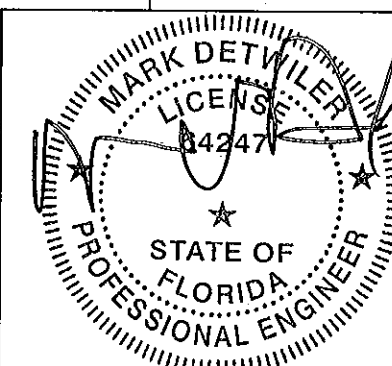
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 <b>NCEI GROUP, INC.</b>	CORPORATE OFFICES 17301 FAIRVIEW DR. HOUSTON TX 77041 6800 771-5078 MAILING : P.O. BOX 48230 HOUSTON TX 77249-0230
	Project Name and Location: DADE COUNTY PRODUCT APPROVAL DADE COUNTY, FLORIDA

Scale: NOT TO SCALE  
 Drawn by: EH  
 Checked by: JA  
 Job Number: DADE COUNTY  
 Sheet Number: 4/10

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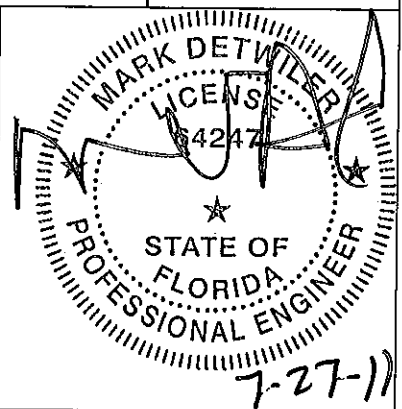
PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 11-0810.04  
Expiration Date 02/25/2014  
By Heather A. Miller  
Miami Dade Product Control



7-27-1

Technical drawing of a roof panel assembly. The drawing shows a purlin (labeled 'PURLIN MIN. 16 GA. METAL AT 5'-0" O.C. MAX.') supporting a double-lok panel (labeled 'DOUBLE-LOK PANEL (PREPUNCHED) 24", 18" AND 12" WIDTH'). A sliding clip (labeled 'SLIDING CLIP') is used to secure the panel to the purlin. The clip is fastened with 1/4-14 x 1 self-driller w/washer (labeled '1/4-14 x 1 SELF-DRILLER W/WASHER [FASTENER #1] (2 PER CLIP)'). The panel is also fastened with 1/4-14 x 1 1/4 long-life self-driller w/washer (labeled '1/4-14 x 1 1/4 LONG-LIFE SELF-DRILLER W/WASHER [FASTENER #1E] (8 PER ENDLAP)'). A triple bead tape sealer (labeled 'TRIPLE BEAD TAPE SEALER CONT. ACROSS PANEL [HW-502]') is applied across the panel. A backup plate (labeled 'BACKUP PLATE 24", 18" OR 12"') is used to support the panel. The drawing includes dimensions: 7" and 3" for the panel width, 4" for the panel height, and 5" and 6" for the purlin spacing. An endlap (labeled 'ENDLAP') is shown at the top left.

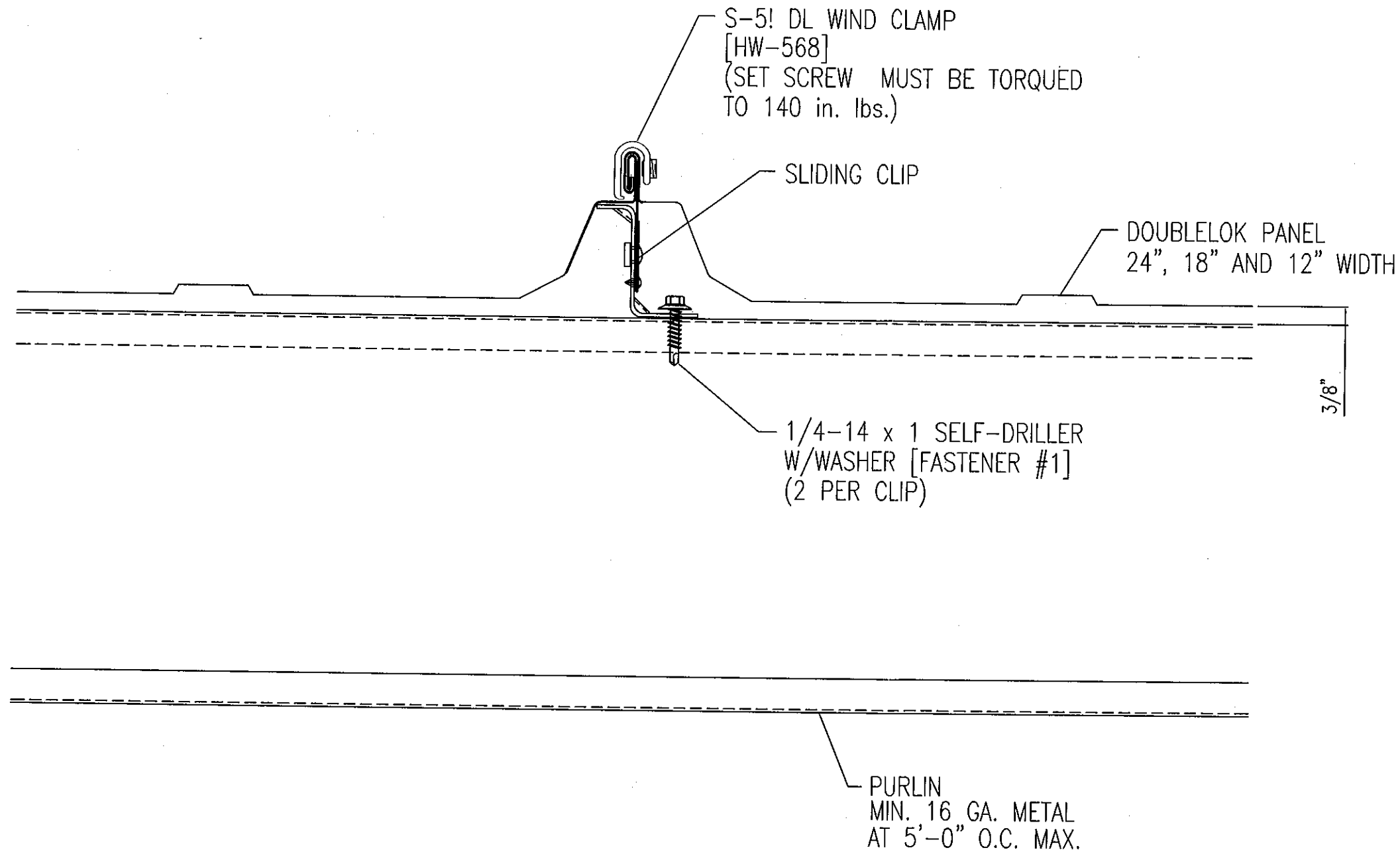
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Expiration Date 02/25/2014  
By Heather A. Walker  
Miami Dade Product Control



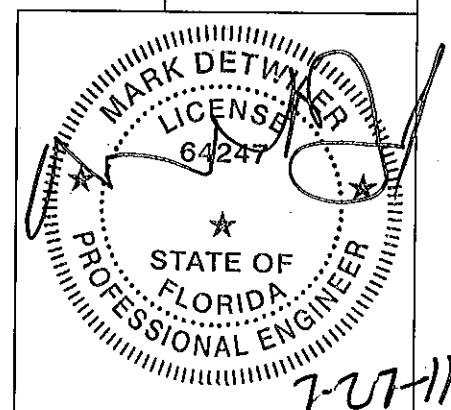




ATTACH S5! DL WINDCLAMP AT EVERY SLIDINGCLIP LOCATION



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By Heather A. McLean  
Miami Dade Product Control



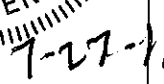
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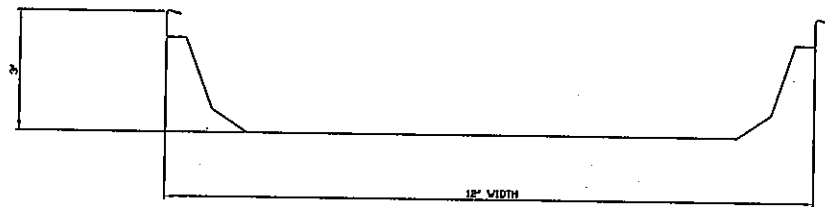
Only for use with 2122 and 2124 clips.  
Torque set screw to 140 in-lbs.



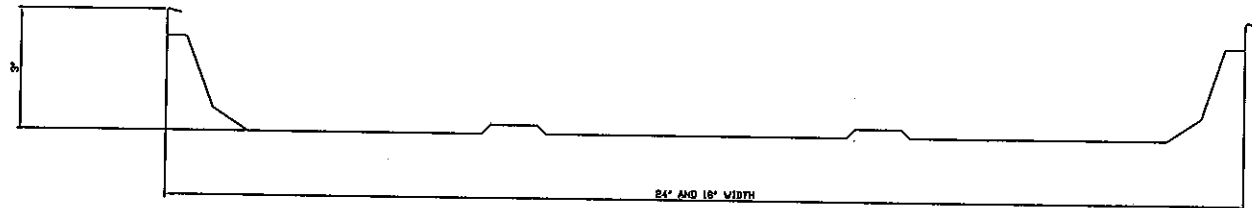
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as complying with the Florida  
Building Code  
Acceptance No 11-0810.04  
Expiration Date 02/25/2014  
By [Signature]  
Miami Dade Product Control

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DOUBLE-LOK PANEL PROFILE



DOUBLE-LOK PANEL PROFILE

PANEL PROPERTIES

PANEL GAUGE	PANEL THICKNESS	YIELD STRENGTH	TENSILE STRENGTH	ELONGATION	HARDNESS	STEEL COATING	PAINT COATINGS
24	.024 MIN.	50 KSI	55-70 KSI	20-36%	50-65 HRB	AZ 55	SIG 300 KYNAR

PANEL ACCESSORIES

CONSTRUCTION FASTENERS INC.  
SPRING STREET AND VAN REED ROAD  
P.O. BOX 6326, WYOMISSING PA 19610

- 1/4 X 7/8" LAP TEK W/ROUND SEAL WASHER LONG LIFE - FASTENER #4
- 1/4-14 X 1 1/4 SDS W/ WASHER LONG LIFE - FASTENER #6
- 1/4-14 X 1 SDS W/ WASHER - FASTENER #1
- 1/4-14 X 1 1/4 SHOULDER TEK SDS - FASTENER #5
- #10-16 PANCAKE HEAD SDS - FASTENER #12
- 1/4-14 X 1 ZAC STS W/ WASHER - FASTENER #18

METAL INSIDE CLOSURE - #H429

SDS DL WINDCLAMP - #W 569

GULF-SEAL SPECIALTIES, INC.  
P.O. BOX 508  
SOUTH HOUSTON, TX 77587

- TRI-BEAD  
TAPE SEALER MB-10A (POLYISOBUTYLENE-ISOPRENE)
- TRIPLE BEAD  
TAPE SEALER MB-10A (POLYISOBUTYLENE-ISOPRENE)

SCHNEE-MOREHEAD, INC.  
111 NORTH NURSERY ROAD  
IRVING, TX 75060

PERMATHANE URETHANE CAULK

NOTES:

- THE 24 GAUGE DOUBLELOK STANDING SEAM ROOF PANELS SHALL BE USED FOR ROOF CONSTRUCTION ONLY.  
THE ACTUAL ROOF PROJECT SHALL BE CONSTRUCTED USING THE SAME DETAILS SHOWN ON THESE DRAWINGS INCLUDING:

- DETAILS OF ALL PANEL MATERIAL CHARACTERISTICS AND SECTIONS WITH DIMENSIONS AND THICKNESS.
- ASSEMBLY DETAILS INCLUDING ALL CONNECTION'S FASTENERS DIAGRAM WITH SIZE AND LOCATION.

- THE MAXIMUM PANEL SPAN AND THE MAXIMUM ALLOWABLE DESIGN UP-LIFT (NEGATIVE) PRESSURE OF THIS ROOF PANEL SHALL BE BASED ON THE FOLLOWING ALLOWABLES:

DOUBLELOK 12"-24 GA. PANELS

MAXIMUM ALLOWABLE BENDING MOMENT OF PANEL AT SUPPORTS = 200.00 FT-LBS/FT

MAXIMUM ALLOWABLE BENDING MOMENT OF PANEL BETWEEN SUPPORTS = 160.00 FT-LBS/FT

MAXIMUM PANEL REACTION AT SUPPORTS = 440.00 LBS

MAXIMUM ALLOWABLE DEFLECTION OF PANEL =  $L/240$

PANEL'S EI VALUE = 2,695,835.52 LB-IN<sup>2</sup>

THIS ROOF PANEL IS APPROVED FOR A MAXIMUM SPAN OF 5'-0".

- THE MAXIMUM PANEL SPAN AND THE MAXIMUM ALLOWABLE DESIGN UP-LIFT (NEGATIVE) PRESSURE OF THIS ROOF PANEL SHALL BE BASED ON THE FOLLOWING ALLOWABLES:

DOUBLELOK 18"-24 GA. PANELS

MAXIMUM ALLOWABLE BENDING MOMENT OF PANEL AT SUPPORTS = 71.20 FT-LBS/FT

MAXIMUM ALLOWABLE BENDING MOMENT OF PANEL BETWEEN SUPPORTS = 56.96 FT-LBS/FT

MAXIMUM PANEL REACTION AT SUPPORTS = 156.64 LBS

MAXIMUM ALLOWABLE DEFLECTION OF PANEL =  $L/240$

PANEL'S EI VALUE = 848,931.84 LB-IN<sup>2</sup>

THIS ROOF PANEL IS APPROVED FOR A MAXIMUM SPAN OF 5'-0".

- THE MAXIMUM PANEL SPAN AND THE MAXIMUM ALLOWABLE DESIGN UP-LIFT (NEGATIVE) PRESSURE OF THIS ROOF PANEL SHALL BE BASED ON THE FOLLOWING ALLOWABLES:

DOUBLELOK 24"-24 GA. PANELS

MAXIMUM ALLOWABLE BENDING MOMENT OF PANEL AT SUPPORTS = 53.33 FT-LBS/FT

MAXIMUM ALLOWABLE BENDING MOMENT OF PANEL BETWEEN SUPPORTS = 42.66 FT-LBS/FT

MAXIMUM PANEL REACTION AT SUPPORTS = 117.32 LBS

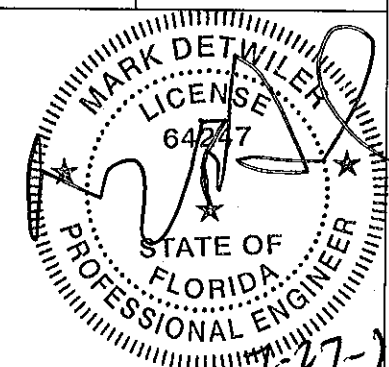
MAXIMUM ALLOWABLE DEFLECTION OF PANEL =  $L/240$

PANEL'S EI VALUE = 635,804.64 LB-IN<sup>2</sup>

THIS ROOF PANEL IS APPROVED FOR A MAXIMUM SPAN OF 5'-0".

- ALL PANEL SUBMEMBERS SHALL BE STEEL WITH 16 GA. MINIMUM THICKNESS.

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 11-0810-04  
Expiration Date 02/25/2014  
By Helmut A. Miller  
Miami Dade Product Control



NCI GROUP, INC.  
CORPORATE OFFICES: 7301 FAIRVIEW DR. HOUSTON TX 77041, 800 777-5578  
MAKING IT'S BOX WORK EASIER HOUSTON TX 77041-4229

Project Name and Location:  
DADE COUNTY PRODUCT APPROVAL  
DADE COUNTY, FLORIDA

SHEET TITLE:  
DOUBLELOK ROOF PANEL

Scale: NOT TO SCALE

Drawn by: EH

Checked by: JA

Job Number: DADE COUNTY

Sheet Number: 10/10

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